

### Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,915 MW
Hydro	1,849 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,834 MW</b>
<b>Total IPP</b>	<b>10,463 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>18,297 MW</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	46,545	16.58 %
Gas	58,878	20.97 %
Hydro	6,514	2.32 %
<b>Total TNB</b>	<b>111,937</b>	<b>39.88 %</b>
ST-Coal	105,981	37.76 %
ST-Gas	3,997	1.42 %
Gas	56,638	20.18 %
<b>Total IPP</b>	<b>166,616</b>	<b>59.36 %</b>
Co-Gen	1,646	0.59 %
<b>Total Co-Gen</b>	<b>1,646</b>	<b>0.59 %</b>
<b>Total Generation</b>	<b>280,199</b>	<b>99.82 %</b>
PLTG	195	0.07 %
HVDC	-702	-0.25 %
<b>Interconnection</b>	<b>-507</b>	<b>-0.18 %</b>
<b>Net Energy</b>	<b>280,706</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:30:00 Hour
Total Set On Bus	14,438 MW
TNB Generation	5,417 MW
IPP Generation	7,711 MW
Spinning Reserve	1,247 MW
Maximum Demand	13,169 MW
Net Energy	280,706 MWH
Load Factor	88.81 %

### Fuel Cost

Total Cost:	3,630,127.73 RM
Cost per Unit	12.94 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	423
Hydro	149
Syncon	562
Thermal	52
<b>Total</b>	<b>1,186</b>

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	27

### Gas Usage

Station	(mmscfd)
GLGR	61
PAKA	159
PGPS	24
SRDG	8
TJGS	195
<b>Total TNB</b>	<b>447</b>
KLPP	61
MPSS	27
PLPS	88
SGRI	140
SKSP	53
YPGS	30
YPKA	60
PKLG	41
<b>Total IPP</b>	<b>500</b>
<b>Total Gas</b>	<b>947</b>

**Total Gas Required 947**

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	12319	11869	11458	11167	10906	10742	10708	10360	10094	10645	11228	11869	12075	11904	12015	12137	12042	11821	11503	12003	13126	13110	12995	12635





**Daily MW Generation on Sunday**

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																										
TIE-HVDC		-31	-29	-28	-28	-28	-29	-29	-29	-30	-30	-30	-30	-30	-28	-28	-29	-29	-29	-30	-30	-29	-30	-30	-28	-28	-29	-29	-30	-30	-29	-29																			
TIE-PLTG		-55	-18	-7	10	-49	5	-91	-73	-14	28	17	58	6	-49	65	12	-18	12	-11	-9	58	10	31	-23	25	-1	14	2	-5	18	-25	-2	66	59	66	128	7	19	-59	47	34	26	44	50	33	-66	4	11		
Interconnection		-86	-46	-35	-18	-77	-23	-120	-101	-44	-1	-12	28	-24	-79	35	-18	-47	-16	-40	-38	29	-19	1	-83	-3	-30	-16	-28	-34	-11	-55	-32	36	30	36	98	-22	-11	-89	17	6	-2	14	21	3	-96	-25	-18		
System Total		12319	12022	11869	11529	11458	11264	11167	10929	10906	10632	10742	10587	10708	10798	10360	9963	10094	10323	10645	11016	11228	11641	11869	12011	12075	11920	11904	11967	12015	12072	12137	12117	12042	12022	11821	11639	11503	11556	12003	13027	13126	13154	13110	13170	12995	12880	12635	12450		
SRev ST-Coal		51	161	150	135	140	204	244	449	438	446	440	433	481	476	583	694	693	665	472	80	38	17	39	12	20	50	24	38	46	49	37	45	27	44	58	84	26	23	11	37	35	35	40	36	50	128	149	143		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		503	541	696	1012	1057	1127	1320	1316	1333	1474	1392	1477	1437	1426	1364	1694	1614	1520	1519	1483	1321	989	807	748	631	677	703	660	590	506	494	422	443	496	656	743	1099	1046	1110	527	355	351	383	324	343	257	134	249		
SRev ST-Gas		37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	
SRev Co-Gen		4	2	2	4	0	1	2	0	3	0	0	0	-2	-6	-4	-2	-3	-2	-2	7	6	6	9	11	10	13	13	13	13	16	16	14	16	15	14	14	14	14	13	15	13	13	12	11	13	11	12	13	11	
Syncon		719	719	719	719	719	719	719	568	719	719	719	568	719	719	568	719	719	719	568	719	719	568	719	719	719	719	568	719	719	720	719	719	719	719	719	568	568	719	417	719	719	719	719	719	568	568	719			
Hydro		151	164	162	166	158	157	121	105	207	130	119	129	240	72	127	172	158	161	267	156	159	323	206	202	198	176	177	306	176	174	176	170	172	154	176	183	287	280	141	218	149	151	148	152	155	224	227	164		
S.Reserve Total		1465	1624	1766	2073	2111	2245	2443	2626	2586	2806	2707	2795	2761	2724	3026	3314	3218	3100	2861	2482	2280	1940	1817	1729	1615	1672	1673	1622	1581	1501	1480	1407	1414	1465	1660	1780	2036	1972	2033	1325	1306	1286	1314	1247	1311	1188	1089	1283		